

WHAT IS CLAIMED IS:

1. A radiological imaging apparatus comprising:
  - a. means for supporting an object tray;
  - b. means for compression of the object against the tray;
  - c. the means for compression carried by a mobile carriage along the means for support;
  - d. the means for compression comprising means for the identification of the means for compression cooperating with means for reading of the mobile carriage;
  - e. the means for reading cooperating with a "smart device" of the apparatus for providing an image of the object.
2. The apparatus according to claim 1 wherein the means for identification of the means for compression comprise a relay actuator.
3. The apparatus according to claim 1 wherein the means for reading of the mobile carriage comprise a relay that can be actuated by the means for compression.
4. The apparatus according to claim 2 wherein the means for reading of the mobile carriage comprise a relay that can be actuated by the means for compression.
5. The apparatus according to claim 2 wherein the relay is selected from the group essentially consisting of mechanical, magnetic and optical relays.
6. The apparatus according to claim 3 wherein the relay is selected from the group essentially consisting of mechanical, magnetic and optical relays.
7. The apparatus according to claim 1 wherein the means for reading comprises, in series, a circuit for adapting voltage to levels compatible with a logic circuit and a parallel-to serial converter circuit.

8. The apparatus according to claim 2 wherein the means for reading comprises, in series, a circuit for adapting voltage to levels compatible with a logic circuit and a parallel-to serial converter circuit.

9. The apparatus according to claim 3 wherein the means for reading comprises, in series, a circuit for adapting voltage to levels compatible with a logic circuit and a parallel-to serial converter circuit.

10. The apparatus according to claim 4 wherein the means for reading comprises, in series, a circuit for adapting voltage to levels compatible with a logic circuit and a parallel-to serial converter circuit.

11. The apparatus according to claim 5 wherein the means for reading comprises, in series, a circuit for adapting voltage to levels compatible with a logic circuit and a parallel-to serial converter circuit.

12. The machine according to claim 7 wherein each output of a matching circuit is connected to an input of the parallel-to-serial converter circuit.

13. The apparatus according to claim 7 wherein an input of a matching circuit is connected to the output of a relay.

14. The apparatus according to claim 12 wherein an input of a matching circuit is connected to the output of a relay.

15. The apparatus according to claim 1 wherein the means for identification of the compression pad extends along a direction of mobility of the pad with respect to the mobile carriage.

16. The apparatus according to claim 2 wherein the means for identification of the compression pad extends along a direction of mobility of the pad with respect to the mobile carriage.

17. The apparatus according to claim 3 wherein the means for identification of the compression pad extends along a direction of mobility of the pad with respect to the mobile carriage.

18. The apparatus according to claim 4 wherein the means for identification of the compression pad extends along a direction of mobility of the pad with respect to the mobile carriage.

19. The apparatus according to claim 5 wherein the means for identification of the compression pad extends along a direction of mobility of the pad with respect to the mobile carriage.

20. The apparatus according to claim 6 wherein the means for identification of the compression pad extends along a direction of mobility of the pad with respect to the mobile carriage.

21. The apparatus according to claim 7 wherein the means for identification of the compression pad extends along a direction of mobility of the pad with respect to the mobile carriage.

22. The apparatus according to claim 12 wherein the means for identification of the compression pad extends along a direction of mobility of the pad with respect to the mobile carriage.

23. The apparatus according to claim 13 wherein the means for identification of the compression pad extends along a direction of mobility of the pad with respect to the mobile carriage.

24. The apparatus according to claim 1 wherein the mobile carriage comprises means for reading the position of the compression pad, the compression pad comprising means to indicate its positioning.

25. The apparatus according to claim 2 wherein the mobile carriage comprises means for reading the position of the compression pad, the compression pad comprising means to indicate its positioning.

26. The apparatus according to claim 3 wherein the mobile carriage comprises means for reading the position of the compression pad, the compression pad comprising means to indicate its positioning.

27. The apparatus according to claim 4 wherein the mobile carriage comprises means for reading the position of the compression pad, the compression pad comprising means to indicate its positioning.

28. The apparatus according to claim 5 wherein the mobile carriage comprises means for reading the position of the compression pad, the compression pad comprising means to indicate its positioning.

29. The apparatus according to claim 5 wherein the mobile carriage comprises means for reading the position of the compression pad, the compression pad comprising means to indicate its positioning.

30. The apparatus according to claim 7 wherein the mobile carriage comprises means for reading the position of the compression pad, the compression pad comprising means to indicate its positioning.

31. The apparatus according to claim 12 wherein the mobile carriage comprises means for reading the position of the compression pad, the compression pad comprising means to indicate its positioning.

32. The apparatus according to claim 13 wherein the mobile carriage comprises means for reading the position of the compression pad, the compression pad comprising means to indicate its positioning.

33. The apparatus according to claim 15 wherein the mobile carriage comprises means for reading the position of the compression pad, the compression pad comprising means to indicate its positioning.

34. The apparatus according to claim 33 wherein the means for reading the position comprise a series of at least two position-detector relays aligned in a direction of shift of the compression pad with respect to the mobile carriage.

35. The apparatus according to claim 34 wherein the compression pad comprises relay actuators working together with the position-detector relays during and after the placing of the compression pad on the mobile carriage.

36. The apparatus according to claim 24 wherein the means for indicating the positioning of the compression pad extend along a direction of mobility with respect to the mobile carriage.

37. The apparatus according to claim 34 wherein the means for indicating the positioning of the compression pad extend along a direction of mobility with respect to the mobile carriage.

38. The apparatus according to claim 35 wherein the means for indicating the positioning of the compression pad extend along a direction of mobility with respect to the mobile carriage.

39. The apparatus according to claim 1 wherein the "smart device" comprises a plurality of tracks affixed to the pad, each track providing means for identifying the position of the pad.

40. The apparatus of claim 39 wherein the "smart device" comprises a plurality of relays.

41. The apparatus according to claim 39 wherein the "smart device" comprises means for digitally identifying the position of the pad.